

# FilterNYL

## PRODUCT INFORMATION

FilterNYL cartridges are built with a Nylon pleated membrane.

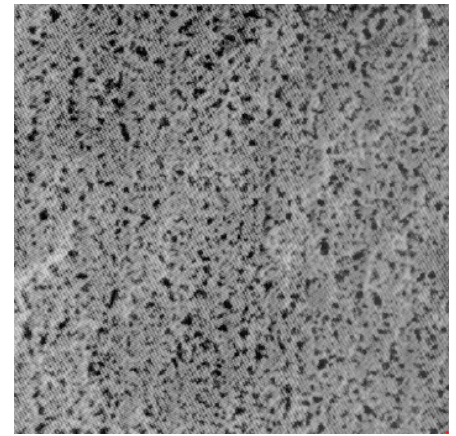
The membranes are supported by polypropylene layers that improve the strength and the service life of the pleated membrane.

The high hydrophilicity of the membrane and the large filtering surface guarantee autonomy and long service life.

The FilterNYL is available with a filtration rate of 0,2; 0,45; 0,65; 0,8 and 1,2 micron.

The FilterNYL cartridge is an excellent choice for sterilization and microbiological stabilization of pharmaceutical, biological, chemical, solvents, perfumes, mouthwashes, water, wine, beer, beverages

FilterNYL cartridges may be steam sterilized or autoclaved.



FilterNYL: Electron microscope photograph

## QUALITY STANDARDS

- ⇒ Designed, developed and manufactured in accordance with an ISO 9001 certified Quality Management System
- ⇒ Fully validated as sterilizing-grade filters according to current ASTM F-838 guidelines
- ⇒ Each individual element is tested for integrity by Bubble Point and Diffusion test

## BIO-SAFETY STANDARDS

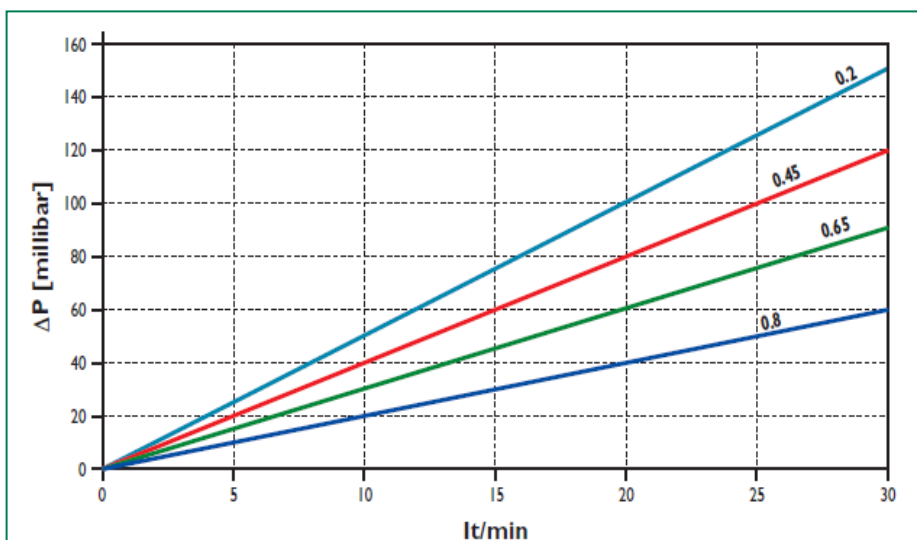
- ⇒ Non-pyrogenic according to USP <85> Bacterial Endotoxins
- ⇒ Pass USP Plastic Class VI Test Non-fiber releasing according to 21 CFR

## REGULATORY COMPLIANCE

- ⇒ FilterPES meets the requirements for food contact as detailed in European Regulation (EC) Number 1935/2004 and Code of Federal Regulations, 21 CFR paragraphs 170-199

### Typical Liquid Flow vs. Differential Pressure

Water at 20°C per 10" module

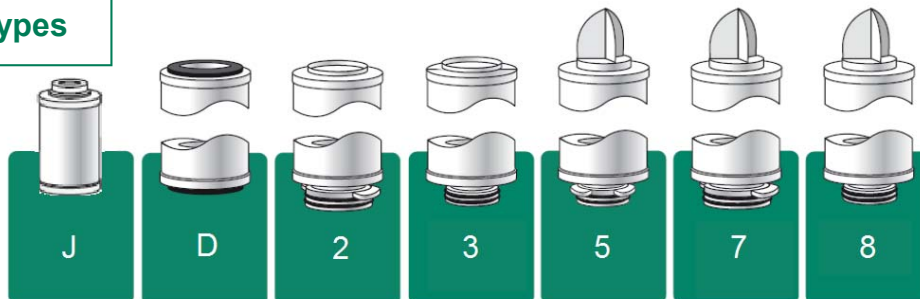


## Specifications

Materials of Costruction		Microbial Removal Efficiency	
Filter Membrane	Nylon 66	0,2 µm	<i>Brevundimonas diminuta</i> TR>10 <sup>7</sup> /cm <sup>2</sup>
Support and drainage layers	polypropylene	0,45 µm	<i>Serratia marcescens</i> TR>10 <sup>7</sup> /cm <sup>2</sup>
Cage	polypropylene		
Adapter ilnsert	AISI316L		
Operating Parameters		Sterilization	
Maximum operating temperature	Up to 70°C	Steam	Up to 130 °C per 30 minuties
Maximum differential pressure	5,0 bar at 24°C	Hot water	Up to 90°C per 30 minutes
Forward direction	1,8 bar at 24°C		
Nominal Dimentions		Integrity Test Values	
<b>Junior</b> Length: 125 mm, Diameter: 56 mm <b>Standard</b> Length: 250, 500, 750, 1000 mm, Diameter. 70 mm		The specification values for the different filtration rates are shown in the instructions for use attached to the cartridge packaging	

## ORDER INFORMATION

### Adater types



NYL	7	10	002	S	I	PH
Product identification	Adapter	Length	Filtration Rating	Gaskets o-rings	Insert	Version
NYL	D = DOE (double open end) 2 = OR226/2 bayonet without fin 3 = OR222/without fin 5 = OR222/ 3 bayonet s with fin 7 = OR226/2 bayonet with fin 8 = OR222/ with fin	10=10" 20=20" 30=30" 40=40"	002 = 0,2 µm 004 = 0,45 µm 006 = 0,65 µm 008 = 0,8 µm 012 = 1,2 µm	E = EPDM S = Silicone V = FPM X = FEP	I = with (*) 0 = without  (*) When filter has to be sterilized by steam	PH = Pharma version
	J = JUNIOR	05=5.0"				

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IPM reserves the right to modify any product feature for technical reasons and to offer customers the best technology. For clarification please contact IPM.

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